

The Knowledge Bank at The Ohio State University
Ohio State Engineer

Title: The Engineering Quadrangle

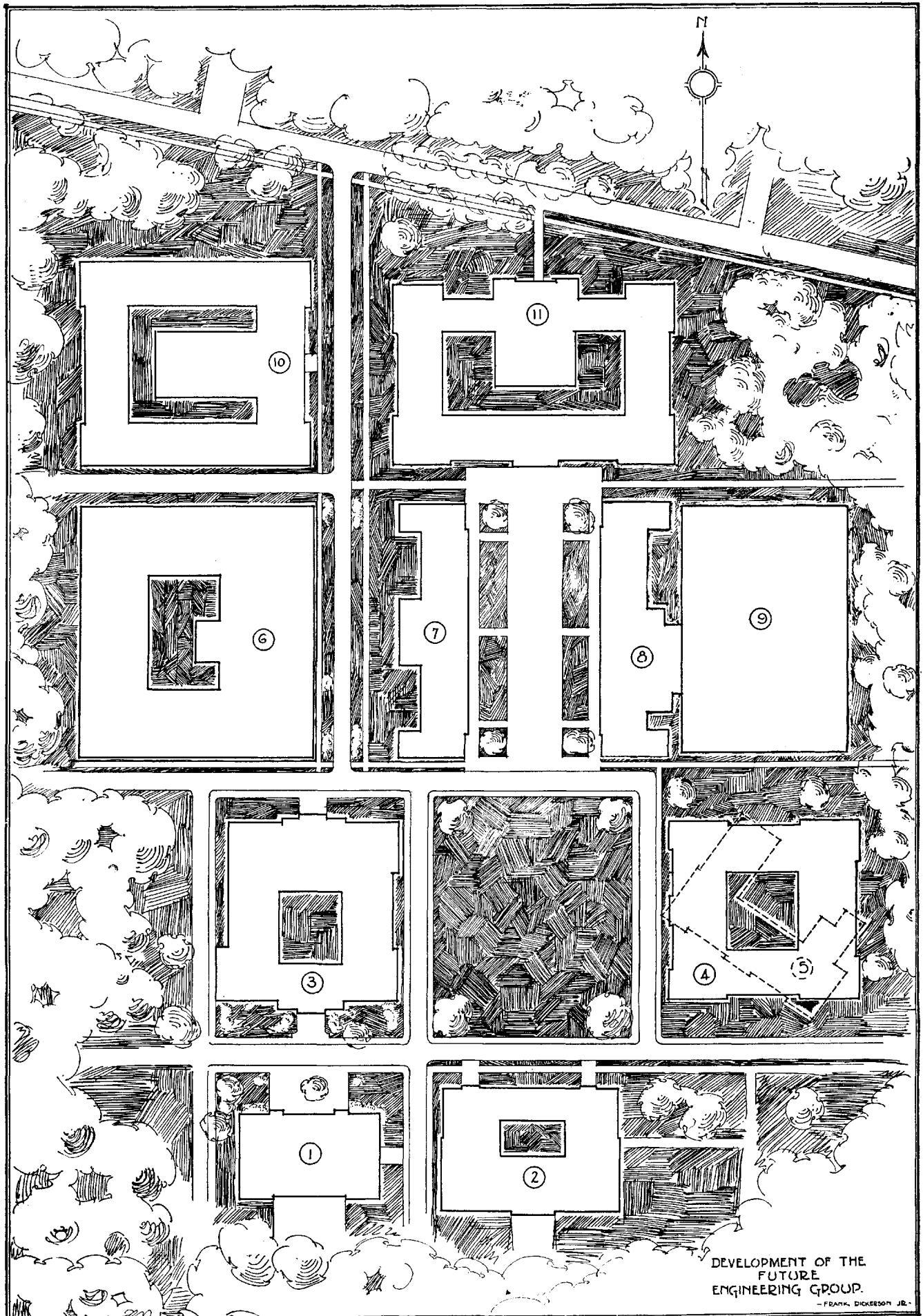
Issue Date: Apr-1932

Publisher: Ohio State University, College of Engineering

Citation: Ohio State Engineer, vol. 15, no. 6 (April, 1932), 8-9, 22-23.

URI: <http://hdl.handle.net/1811/34919>

Appears in Collections: [Ohio State Engineer: Volume 15, no. 6 \(April, 1932\)](#)



The Engineering Quadrangle

By FRANCIS WARD, C.E. I

Legend for drawing on opposite page

- | | |
|--|-------------------------------------|
| (1) Administration Bldg. | (6) Robinson Lab. |
| (2) Derby Hall | (7) Proposed Annex to Robinson Lab. |
| (3) Brown Hall | (8) Chemistry Bldg. |
| (4) Lord Hall (proposed) | (9) Chemistry Labs. |
| (5) Lord Hall (present) | (10) Industrial Engr. Bldg. |
| (11) Engineering Experiment Station (when completed) | |

EDITOR'S NOTE—The publication of this interesting article on the Engineering Quadrangle, at a date coinciding with that of Dean Hitchcock's "Quadrangle" lecture in Freshman Survey, is in keeping with the OHIO STATE ENGINEER'S 1932 policy of being of service to the students.

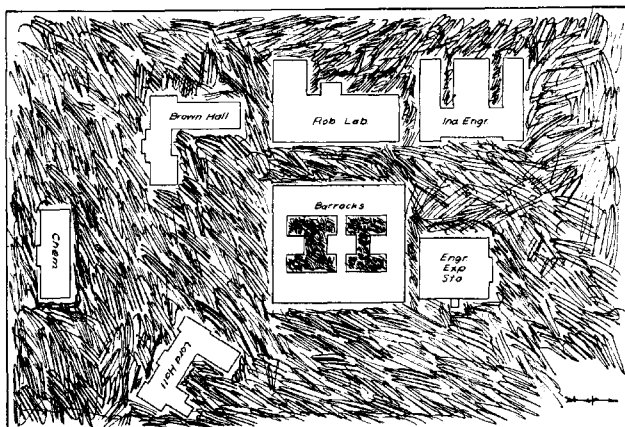
THE term "Engineering Quadrangle" is the name applied to the future grouping of the buildings which house the various departments of the College of Engineering. This Quadrangle is to be located in the northern end of the campus and will be just a little bit to the west of center.

The principal idea behind this project is to get the Engineering College buildings located in a group by themselves. While this idea is being worked out, they are trying to get the buildings to be as nearly uniform in structure and appearance as is possible, keeping in mind the beauty of the group.

FORMER LAYOUT OF GROUND

WHEN the plan was first drawn up in 1922 there were six buildings on the proposed site. They were the old Chemistry Building at the center and extreme south of the Quadrangle; Lord Hall, which was located northeast of the Chemistry Building; the Engineering Experiment Station, which was on a line with the Chemistry Building and at the extreme north end of the Quadrangle; the Industrial Engineering Building, which was situated due west of the Experiment Station; Robinson Laboratory, which was due south of the Industrial Engineering Building; Brown Hall, which was south and just a little east of Robinson Laboratory; and the Army Barracks, due east of Robinson Laboratory, where aviators were quartered during the World War.

The arrangement of the buildings at that time left much room for new buildings and annexes and also for



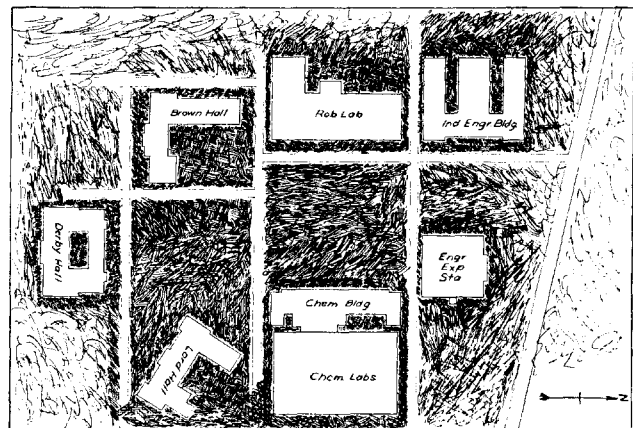
THE QUADRANGLE IN 1922

other changes. There was much space left (north of Lord Hall and east of the Barracks, also west of Lord Hall over to Brown Hall, north of the Chemistry Building to the Barracks) all of which could be utilized for new buildings. Besides this there was much space left around each of the buildings which afforded room for additions to be made to these buildings.

PRESENT LAYOUT OF GROUND

AT THE present time, ten years after the formulation of the plans, much has been done toward the completion of the Quadrangle. Five of the buildings still remain as when the plan was formulated in 1922; these five are Lord Hall, Brown Hall, the Engineering Experiment Station, the Industrial Engineering Building, and Robinson Laboratory.

The building that is now known as Derby Hall is one that has been built up from the old Chemistry Building.



THE QUADRANGLE AT PRESENT

It is a rectangular building made of common red brick and trimmed with Indiana Limestone; it is four stories in height and contains a light court in the center. In constructing this building from the old Chemistry Building it was necessary to add the two end wings and the long rectangular section to the north. Perhaps the greatest addition up to the present time has been that of the Chemistry Building which is located just north of Lord Hall on the ground once covered by a thick wood. This building, like Derby Hall, is four stories in height and is made of common red brick with Indiana Limestone trim. It is connected on the east to a large one-story structure which houses the laboratories of the Chemistry Department. The façade, which looks toward the west, contains three doorways and is over three hundred feet in length.

As has been previously stated, there was originally a large frame building located just west of the new Chemistry Building which at the time of the World War was

(Continued on Page 22)

THE ENGINEERING QUADRANGLE

(Continued from Page 9)

used as a barracks by army aviators, later becoming the University R.O.T.C. headquarters. In the fall of 1931 work was started on the removal of this building and it now has been completely removed and the ground which was once occupied by it is now being leveled down and graded in preparation for another building and a fairly large rectangular court.

PROPOSED LAYOUT OF GROUND

ALTHOUGH, as has been said, much has been done toward the completion of the Engineering Quadrangle, there is still much work to be done before it is completed according to the original plans.

According to the plans which were drawn up by Professor J. N. Bradford, former University Architect, and Professor C. E. Sherman, Chairman of the Engineering College Building Committee, there is to be a total of eight buildings. The buildings which are to be included in the Quadrangle are: Derby Hall at the extreme south end, which will house the language department; Lord Hall, just northeast of Derby Hall, which will contain as at present the departments of Ceramics, Mineralogy, and Metallurgy; the Chemistry Building, which is located directly north of Lord Hall and, as the name implies, will house the Department of Chemistry; the Engineer-

ing Experiment Station, which will be located at the northern end of the Quadrangle and will close the gap at the northern end of the court; the Industrial Engineering Building, which will be directly west of the Experiment Station and will contain the Industrial Engineering Department; Robinson Laboratory, which will be situated directly south of the Industrial Engineering Building and will be occupied by the Mechanical and Electrical Engineering Departments; another building as yet unannounced, which is to be built just east of Robinson Laboratory which will also house portions of the Mechanical and Electrical Engineering departments; and last, Brown Hall, which will be southeast of Robinson Laboratory and will contain the departments of Architecture and Civil Engineering.

As was previously stated there is still much work to be done before the Engineering Quadrangle will be complete. This work consists of building one or two new buildings, and building additions to four or five that are now standing.

Brown Hall, when completed, is to be rectangular in shape and four stories in height with a light court in the center. The main entrance then will be on the east façade, the southern entrance becoming of less importance and balanced on the north by a similar means of egress.

Robinson Laboratory, which is now overcrowded, will also receive an addition which will make it rectangular in plan with a light court in the center. The overcrowded condition of Robinson Laboratory will also be relieved by the erection of a new building to the east of it which will contain only the offices, draughting rooms, and classrooms. It is to be built on a plan very similar to that of the Chemistry Building across the paved court. It will be four stories in height and rectangular in plan. The main façade of this building is to be exactly the same as that of its twin, the Chemistry Building, being over three hundred feet long and containing three doorways.

The Industrial Engineering Building will also receive additional wings which will make it rectangular in plan with a light court in the center; it however will remain only two stories in height as it is at present.

Perhaps the largest addition that is to be made to any building will be made to the Engineering Experiment Station; at least when completed it will be the largest building in the entire group. It will be approximately three hundred and forty feet long and will extend from the east face of the Chemistry Building across the north end of the paved court to the west face of the new Mechanical and Electrical Engineering Building. The Experiment Station Building, like many of the others, is to be rectangular in plan with a light court in the center. The main entrance will be on the south façade facing on the paved court. The entrance will center on the principal north and south axis and will be constructed in an elaborate style. This building will also be four stories in height and the southern section of the building which faces on the court will be used for all the activities of the College of Engineering. It will contain an auditorium large enough for the entire College of Engineering and

also a library which will be made up of the various departmental libraries.

The foregoing plans have been definitely decided upon; however, what to do with Lord Hall is still somewhat of a question. Since this building stands at an angle and does not face in any particular direction, it is agreed that its location must be changed, but whether it should be moved to its place and then added to or whether it should be torn down and completely rebuilt is still a question. The latter plan, however, seems to be in favor as the present building, due to its architecture, would not fit in with the rest of the buildings in the Engineering Quadrangle and also because it would probably be just as cheap and possibly cheaper as the plumbing, heating, ventilating, and many other things would have to be changed which would cost a considerable amount of money. No matter which plan is followed, the building will be four stories high and will be rectangular in plan with the usual light court in the center.

When the Quadrangle is completed, the buildings will be of the classical style and if Lord Hall is replaced with a new building, all the buildings which face the court, with the exception of Brown Hall, will be made of common red brick with an Indiana Limestone trim.

It will probably be many years before the present plans for the Quadrangle will have been completed. To make the proposed additions to the buildings and to build the proposed buildings will require the outlay of a considerable amount of money and at the present time it seems hardly likely that this money will be forthcoming; however when it is completed it will be well worth the waiting.
